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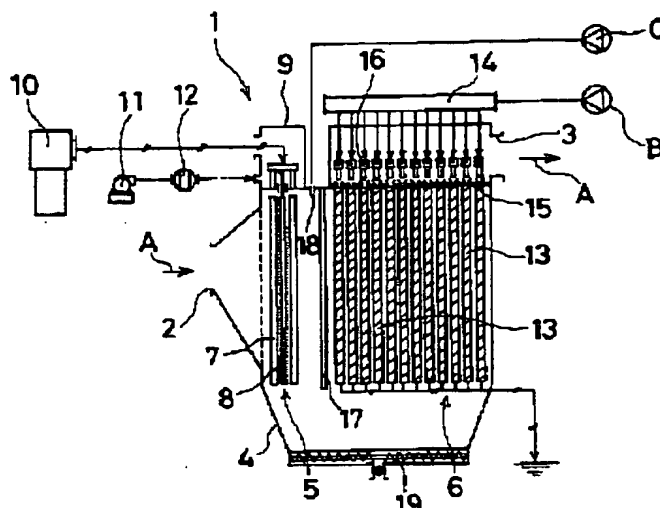
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TITLE : DUST COLLECTOR



ABSTRACT : PROBLEM TO BE SOLVED: To provide a dust collector of superior durability with due consideration for environment preservation.

SOLUTION: A dust collector 1 is provided with a casing storage section 4 with an insertion opening 2 and a discharge outlet 34 in which an electric dust collecting section 5 is provided on the upstream side of an air flow path while a bag filter section 6 is provided on the downstream side of the electric dust collecting section, and a straightening plate 17 is disposed on the front face of the bag filter section 6, and also a spray opening 18 is formed between the straightening plate 17 and the electric dust collecting section 5, and a powder adsorbent is sprayed out of the spray opening 18. As dust and the like are removed first in the electric dust collecting section 5 in the dust collector 1, dust and the like infiltrated into the bag filter are reduced to reduce the backwash frequency and prevent the wear of a filter cloth. Harmful substances are adsorbed by the powder adsorbent sprayed out of the spray opening 18 and filtered in the bag filter section 6 and removed therefrom.

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